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FIGURE 1

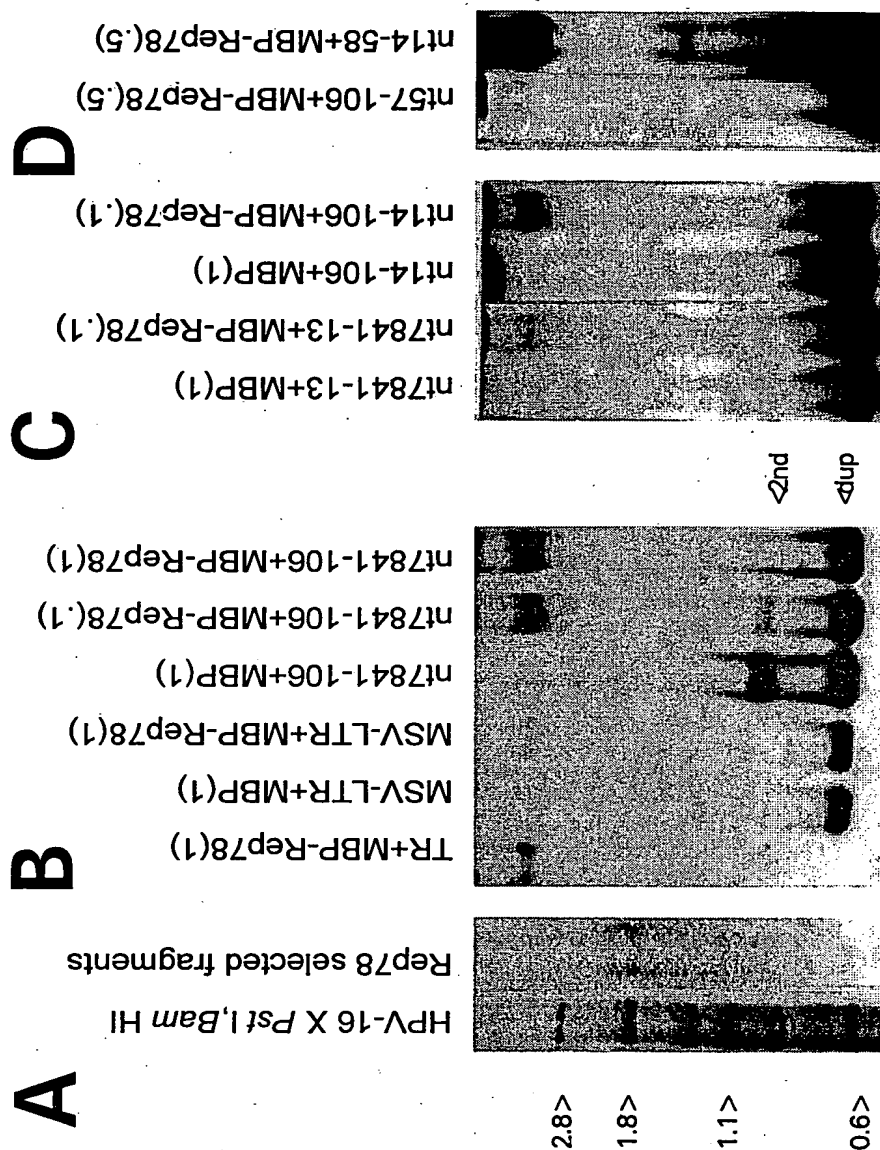


FIGURE 2

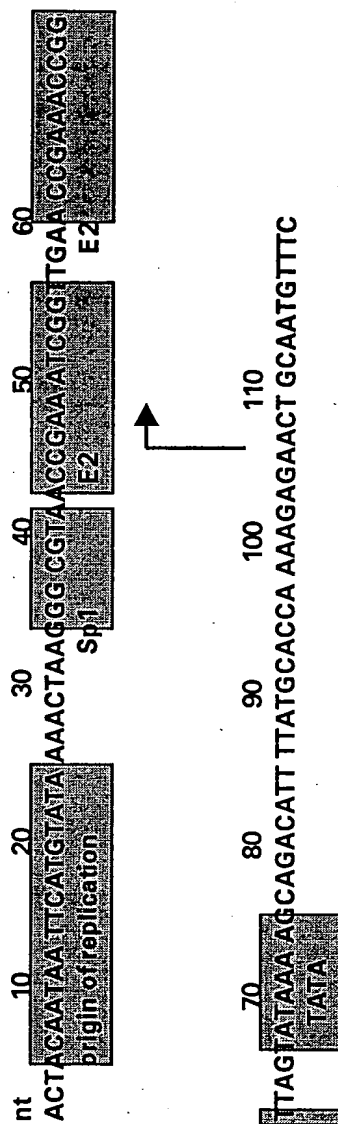


FIGURE 3

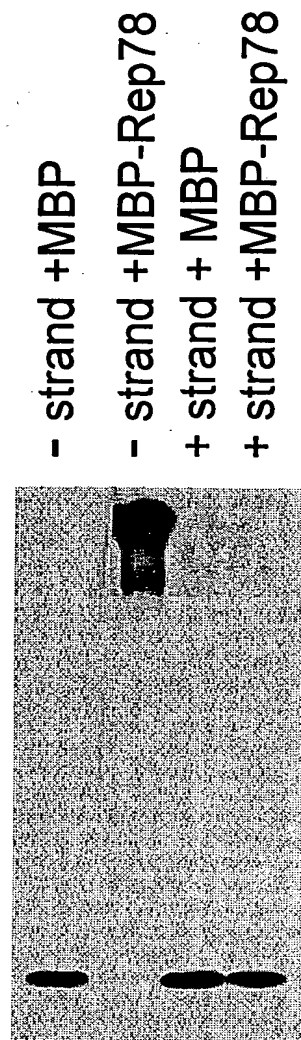


FIGURE 4

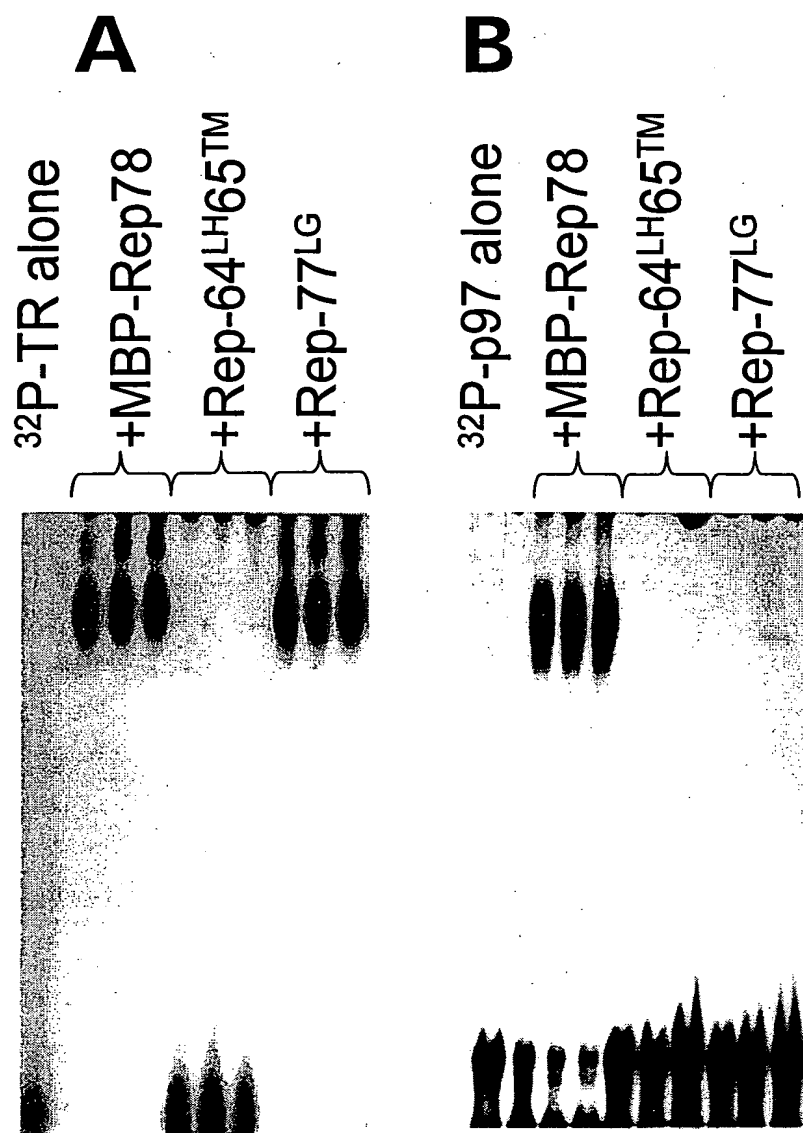


FIGURE 5

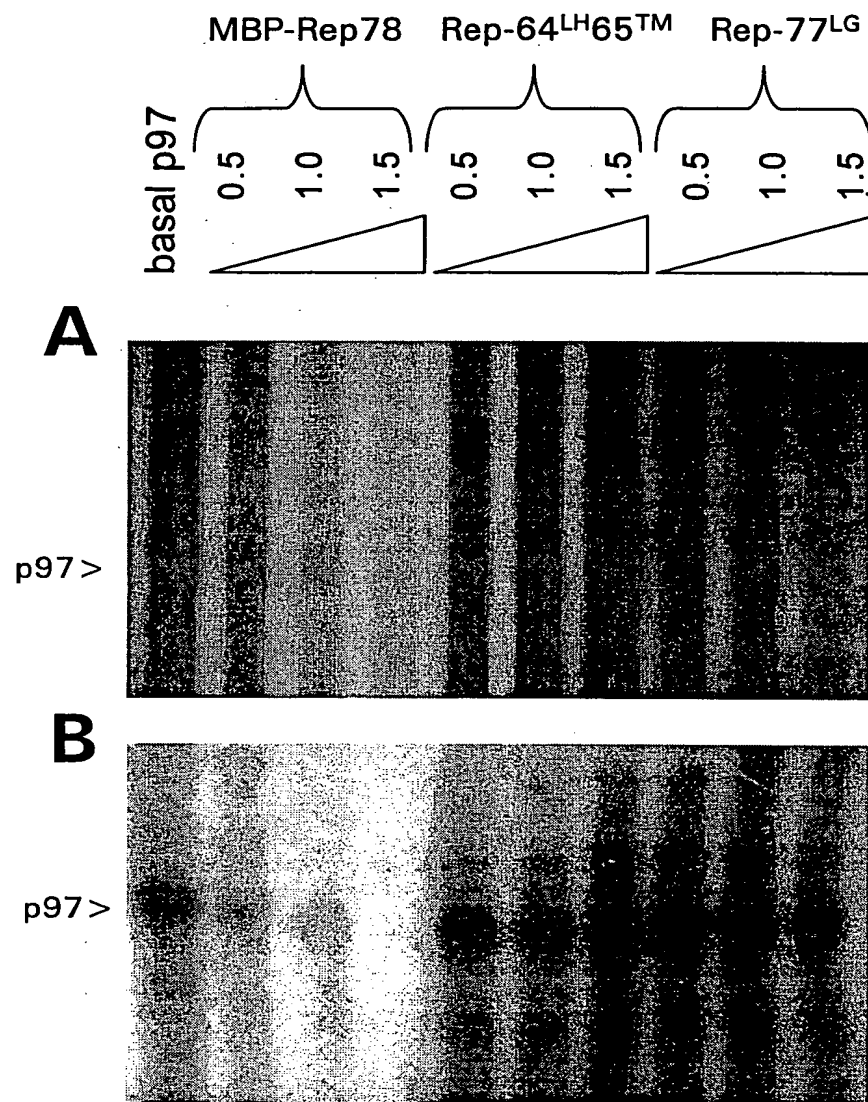


FIGURE 6

pSM620 FLAG-64LH65TM FLAG-77LG

p16P +
d110-37

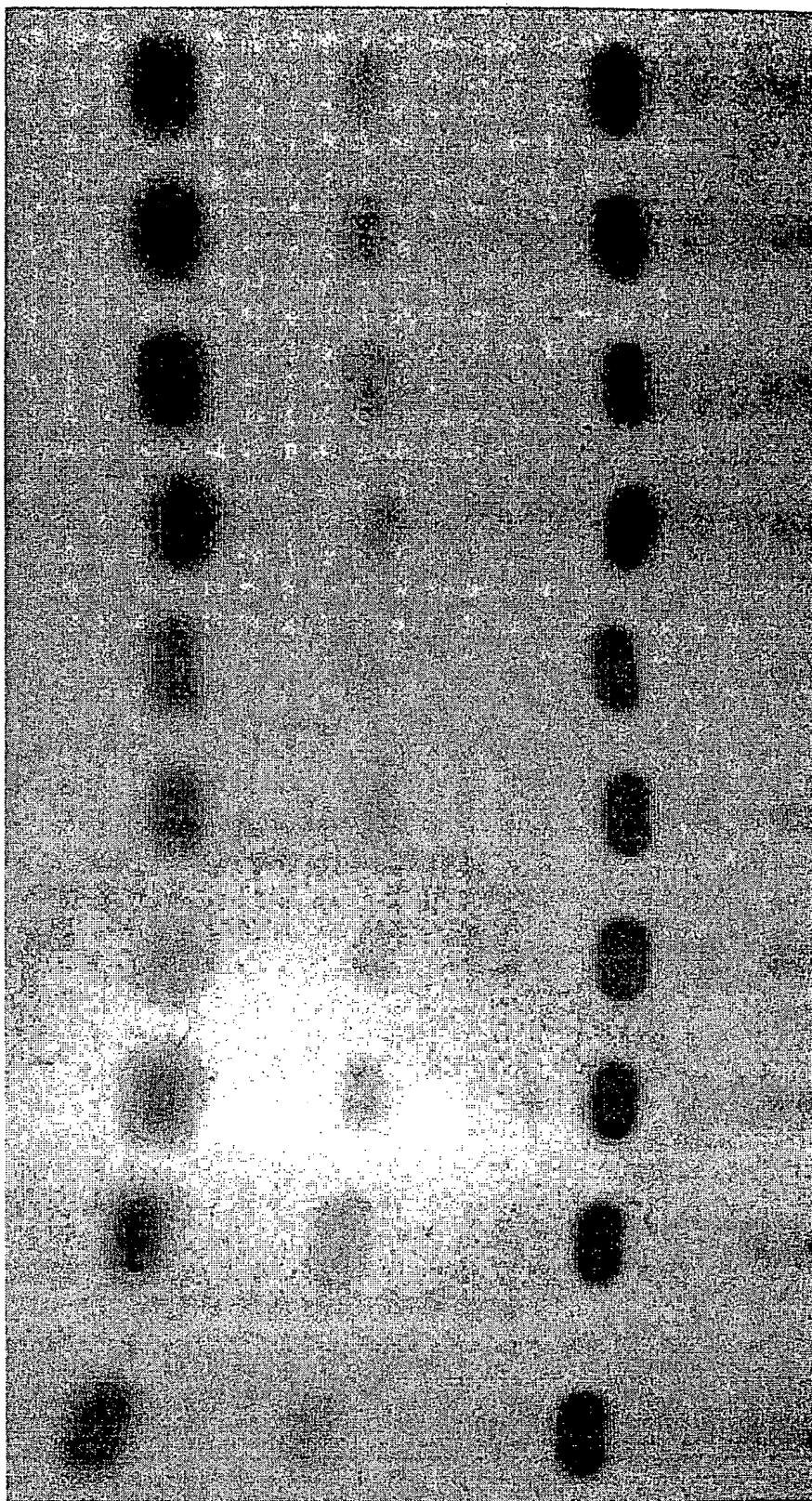
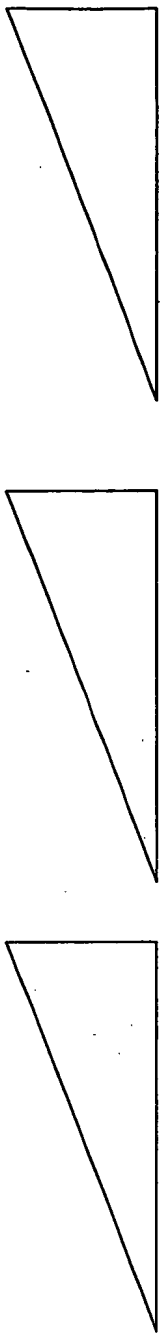


FIGURE 7

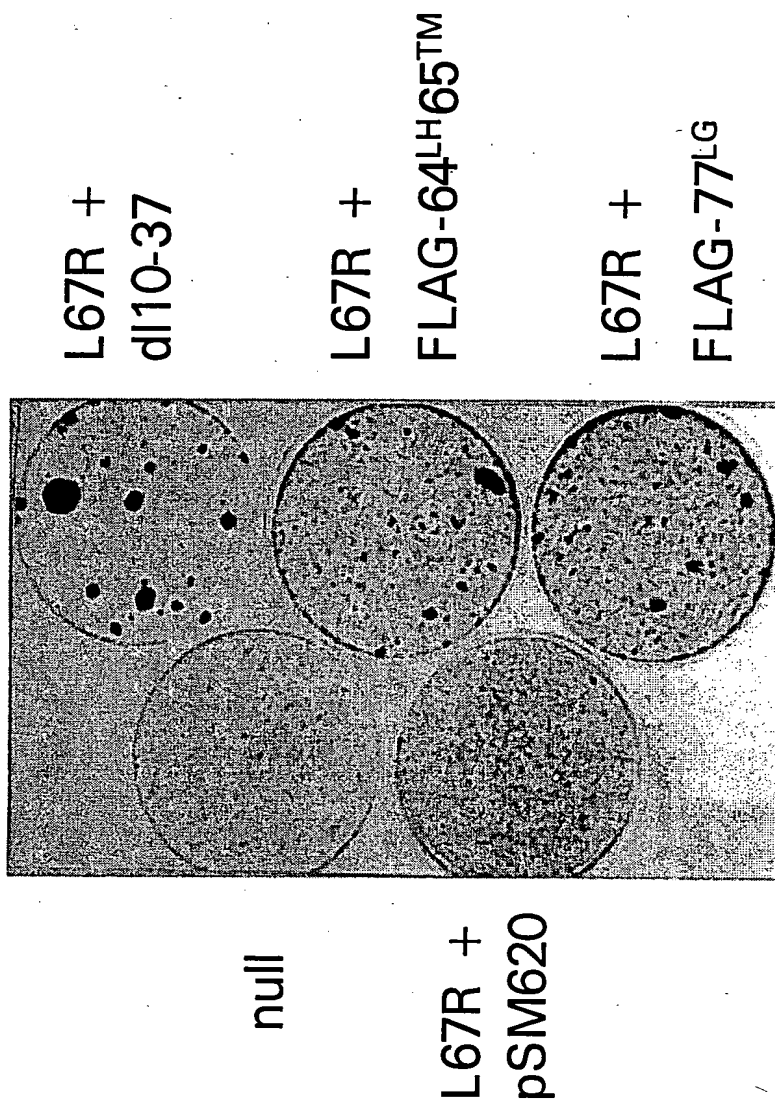


FIGURE 8

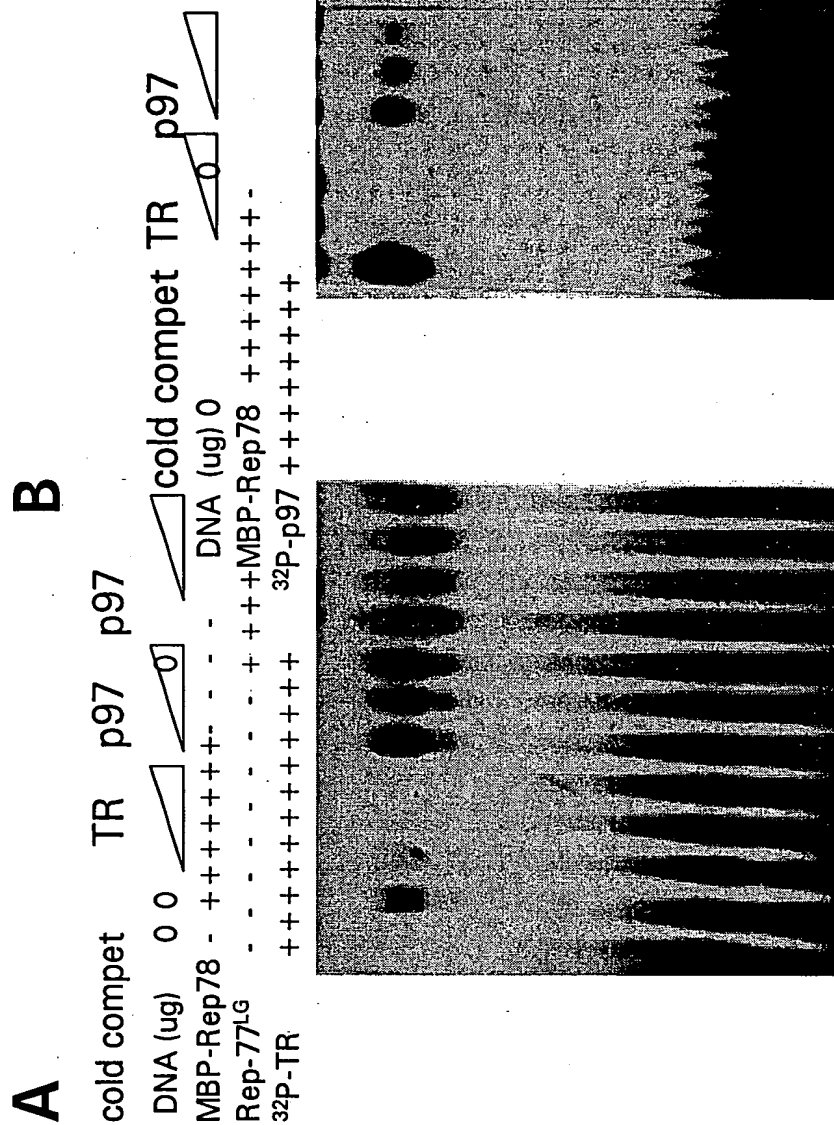
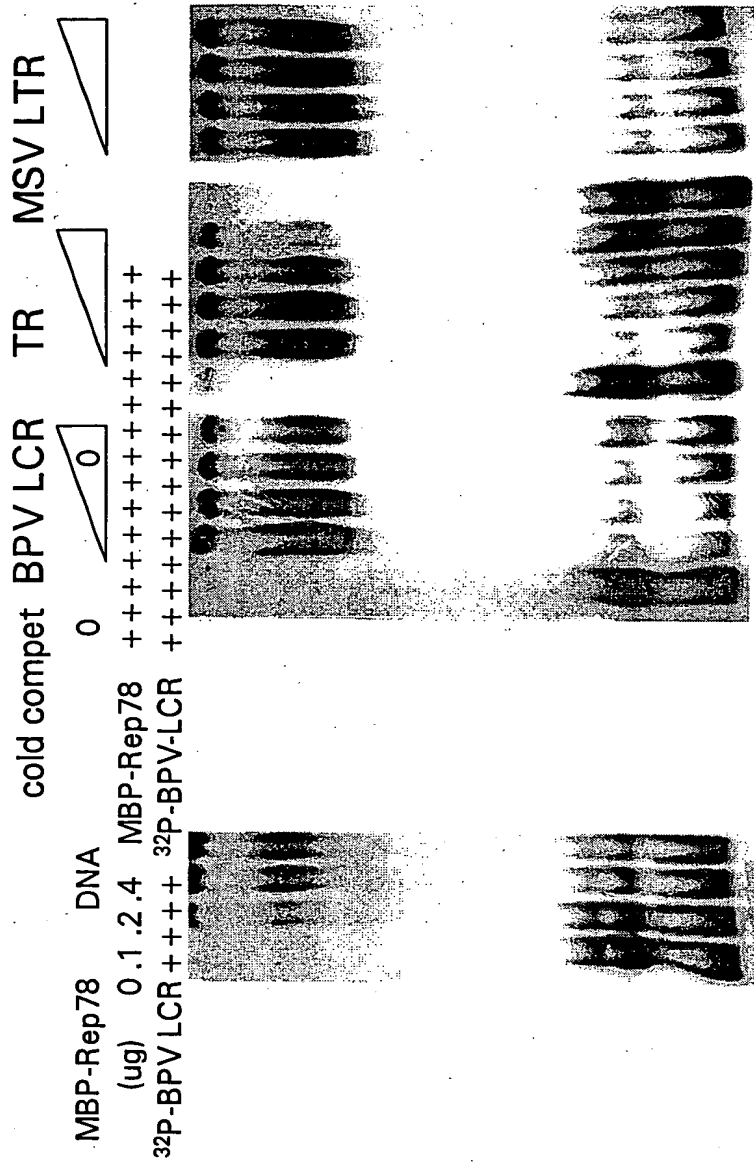
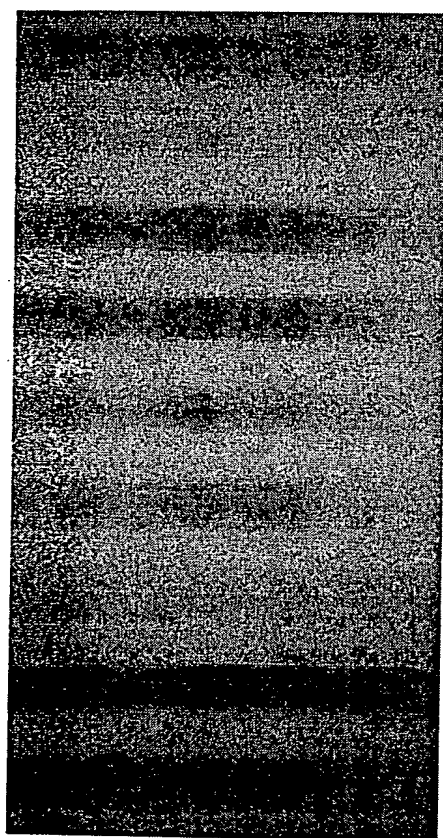


FIGURE 9



p5>



MBP

MBP-Rep78

Rep-64^{LH}65TM

Rep-77^{LG}

Rep-79^{FA}

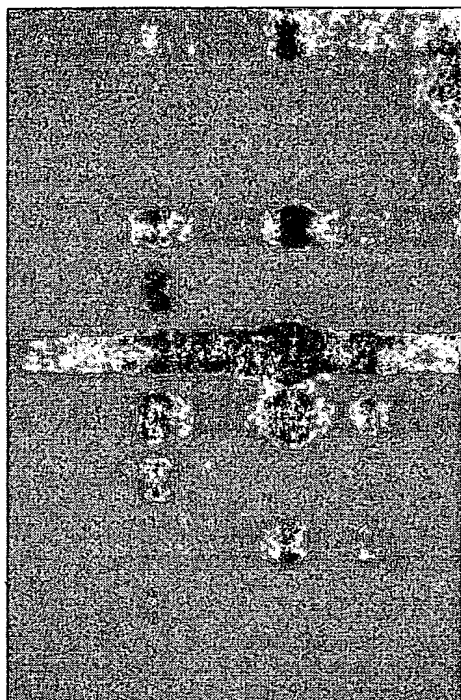
Rep-105^{LS}

Rep-192^{HG}

Rep-331^{WG}

Rep-340^{KA}

mdv



marker

blank

Ad alone

pSM620/Sph

FLAG-64^{LH}65TM

FLAG-77^{LG}FLAG-79^{FA}

FLAG-105^{LS}

FLAG-192^{HG}

FLAG-331^{WG}

FLAG340^{KA}

FIGURE 11

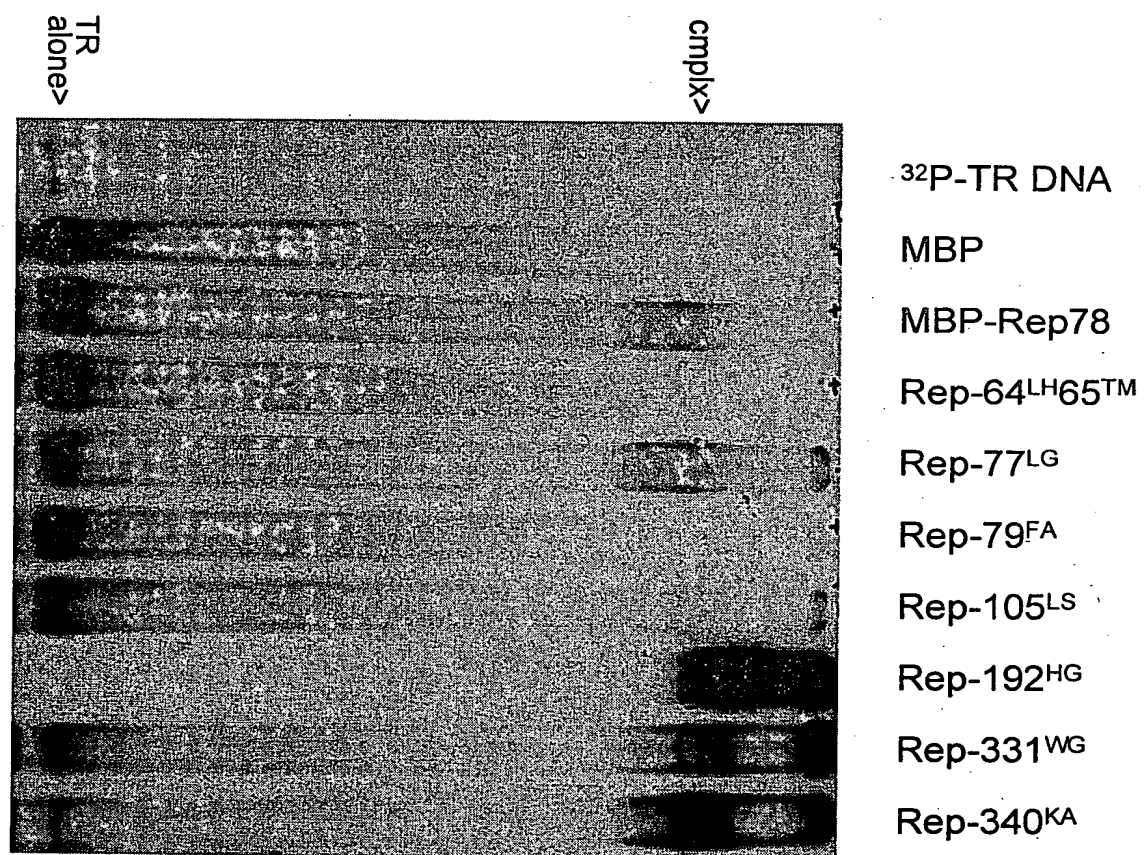
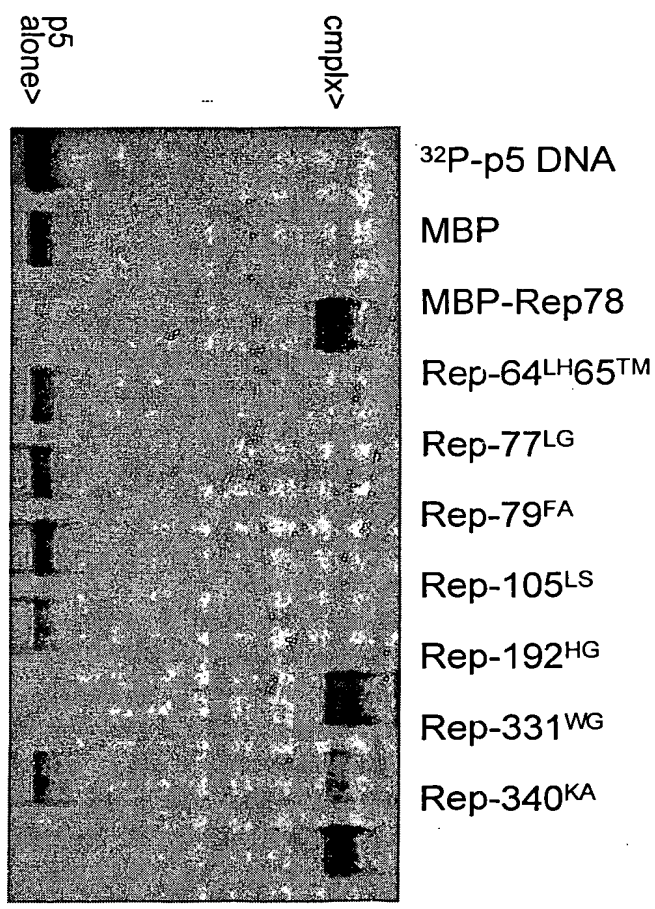


FIGURE 12

Figure 13



09603000-403000

Figure 14

plasmids transfected	oncogenic foci
pL67R + 334 (no Rep)	34
pL67R + 620/Sph (wild type)	8
pL67R + Rep77 ^{LG}	19
pL67R + Rep79 ^{FA}	25
pL67R + Rep192 ^{HG}	4

FIGURE 15A

```

1  ttggccactc cctctctgcg cgctcgctcg ctactgagg ccgggcgacc aaaggtcgcc
61  cgacgcccgg gctttgcccg ggcggccctca gtgagcgagc gagcgcgcag agagggagtg
121  gccaaactcca tcactagggg ttcttgaggg tgagtgagtcg tgacgtgaat tacgtcatag
181  ggttagggag gtcctgtatt agaggtcacg tgagtgtttt gcgacatttt gcgacaccat
241  gtggtcacgc tgggtattta agcccagagtg agcacgcagg gtctccattt tgaagcggga
301  ggtttgaacg cgcagccgcc atgcccgggt tttacgagat tgtgattaag gtccccagcg
361  accttgacgg gcatctgccc ggcatttctg acagctttgt gaactgggtg gccgagaagg
421  aatgggagtt gccgccagat tctgacatgg atctgaatct gattgagcag gcacccctga
481  ccgtggccga gaagctgcag cgcgactttc tgacgggaatg gcgccgtgtg agtaaggccc
541  cgagggccct tttctttgtg caatttgaga agggagagag ctacttccac atgcacgtgc
601  tcgtggaaac caccgggtg aaatccatgg ttttgggacg tttcctgagt cagattcgcg
661  aaaaactgat tcagagaatt taccgcgga tcgagccgac ttgccc aaac ttggtcgcg
721  tcacaaagac cagaaatggc gccggaggcg ggaacaaagt ggtggtgag tgctacatcc
781  ccaattactt gctccccaaa acccagcctg agctccagtg ggcgtggact aatatggaac
841  agtatttaag cgcctgtttg aatctcacgg agcgtaaacg gttggtggcg cagcatctga
901  cgacggtgtc gcagacgcag gacgagaaca aagagaatca gaatcccaat tctgatgcgc
961  cggtgatacag atcaaaaact tcagccaggt acatggagct ggtcgggtgg ctcgtggaca
1021  aggggattac ctggagaag cagtggatcc aggaggacca ggcctcatc atctcctca
1081  atgcggcctc caactcgcg tcccaaatca aggtgcctt ggacaatgcg gaaagatta
1141  tgagcctgac taaaaccgcc cccgactacc tggtgggcca gcagcccgtg gaggacattt
1201  ccagcaatcg gattataaa attttggaac taaacgggta cgatccccc aaatgcggctt
1261  ccgtctttct gggatgggcc acgaaaaagt tcggcaagag gaacaccatc tggctgtttg
1321  ggcctgcaac taccgggaa gacaaacatcg cggaggccat agcccacact gtgcccttct
1381  acgggtgcgt aaactggacc aatgagaact ttcccttcaa cgactgtgtc gacaagatgg
1441  tgatctggtg ggaggagggg aagatgaccg ccaaggctcg ggagtcggcc aaagccattc
1501  tcggagggaag caaggtgcgc gtggaccaga aatgcaagtc ctcgccccc atagacccga
1561  ctcccgtgat cgtcacctcc aacaccaaca tgtgcgccgt gattgacggg aactcaacga
1621  ccttcgaaca ccagcagccg ttgcaagacc ggatgttcaa attgaaact acccgccgtc

```


FIGURE 15B

1681 tggatcatga ctttgggaag gtcaccaagc aggaagtcaa agactttttc cggtgggcaa
 1741 aggatcacgt ggttgaggtg gagcatgaat tctacgtcaa aaagggtgga gccaagaaaa
 1801 gaccgcccc cagtacgca gataaagtg agcccaaacg ggtgcgcgag tcagttgcgc
 1861 agccatcgac gtcagacgcg gaagcttcga tcaactacgc agacaggtag caaaacaaat
 1921 gttctcgtca cgtgggcatg aatctgatgc tgtttccctg cagacaaatgc gagagaatga
 1981 atcagaattc aaatatctgc ttcactcacg gacagaaaga ctgttttagag tgctttccc
 2041 tgtcagaatc tcaaccctgt tctgtcgtca aaaagggcgtg tcagaaactg tgctacattc
 2101 atcatatcat gggaaagggtg ccagacgctt gcactgcctg cgatctggtc aatgtggatt
 2161 tggatgactg catctttgaa caataaatga tttaaatcag gtatggctgc cgatggttat
 2221 cttccagatt ggctcgagga cactctctct gaaggaataa gacagtgtgt gaagctcaaa
 2281 cctggccccc caccacaaa gccgcagag cggcataagg acgacagcag gggctctgtg
 2341 ctctcctgggt acaagtacct cggacccttc aacggactcg acaagggaga gccggtcaac
 2401 gaggcagacg ccgcggccct cgagcacgta caaagcctac gaccggcagc tcgacagcgg
 2461 agacaacccc tacctcaagt acaaccacgc cgacgcggag ttacaggagc gccttaaaaga
 2521 agatacgtct tttgggggca acctcggacg agcagctctc caggcgaaaa agagggttct
 2581 tgaacctctg ggcctggttg aggaacctgt taagacggct ccgggaaaaa agaggccggt
 2641 agagcactct cctgtggagc cagactcctc ctcggaacc ctggaaggcg gccagcagcc
 2701 tgcaagaaaa agattgaatt ttggtcagac tggagacgca gactcagtag ctgacccccca
 2761 gcctctcggg cagccaccag cagccccctc tgggtctgga actaatacga tggctacagg
 2821 cagtggcgca ccaatggcag acaataacga gggcgccgac ggagtgggtg attcctccgg
 2881 aaattggcat tgcgattcca catggatggg cgacagagtc atcacacca gcacccgaac
 2941 ctggggccctg cccacctaca acaaccacct ctacaaacaa atttccagcc aatcaggagc
 3001 ctggaacgac aatcactact ttggctacag cacccttgg ggtattttg acttcaacag
 3061 attccactgc cacttttcac cactgtactg gcaaagactc atcaacaaca actgggggatt
 3121 ccgacccaag agactcaact tcaagctctt taacattcaa gtcaaaaggag tcacgcagaa
 3181 tgacggtagc acgacgattg ccaataacct taccagcacg gttcagggtg ttactgactc
 3241 ggagtagcag ctcccgtacg tcctcggctc ggcgcatcaa ggatgcctcc cgccgttccc
 3301 agcagacgtc ttcatgggtg cacagtatgg atacctcacc ctgaacaacg ggagtcaggc

FIGURE 15C

3361 agtaggacgc tcttcatttt actgcctgga gtactttcct tctcagatgc tgcgtaccgg
 3421 aaacaaacttt accttcagct acacttttga ggacgttcct ttccacagca gctacgctca
 3481 cagccagagt ctggaccgtc tcatgaatcc tctcatcgac cagtacctgt attacttgag
 3541 cagaacaaac actccaagt gaaccaccac gcagtcaagg cttcagtttt ctcaggccgg
 3601 agcgagtgac attcgggacc agtctaggaa ctggcttcct ggaccctgtt accgccagca
 3661 gcgagtatca aagacatctg cggataacaa caacagtgaa tactcgtgga ctggagctac
 3721 caagtaccac ctcaatggca gagactctct ggtgaatccg gccatggcaa gccacaaggga
 3781 cgatgaagaa aagtttttc ctcagagcgg ggttctcatc ttgggaaagc aaggctcaga
 3841 gaaaacaaat gtgaacattg aaaagggtcat gattacagac gaagaggaaa tcggaacaaac
 3901 caatcccgtg gctacggagc agtatggttc tgtatctacc aacctccaga gaggaacacg
 3961 acaagcagct accgcagatg tcaacacaca aggcgttctt ccaggcatgg tctggcagga
 4021 cagagatgtg taccttcagg gggccatctg ggcaaaagatt ccacacacgg acggacattt
 4081 tcacccctct cccctcatgg gtggattcgg acttaaacac cctcctccac agattctcat
 4141 caagaacacc ccggtacctg cgaatccttc gaccacctc agtgcggcaa agtttgcttc
 4201 cttcatcaca cagtactcca cgggacacgg tcagcgtgga gatcgagtgg gagctgcaga
 4261 aggaaaacag caaacgctgg aatcccga aa ttcagttacac ttccaactac acaagtctg
 4321 ttaatcgtgg acttacccgtg gataactaatg gcgtgtattc agagcctcgc ccattggca
 4381 ccagatacct gactcgtaat ctgtaattgc ttgttaatat ataaaccgtt taattcgttt
 4441 cagttgaact ttggtctctg cgtaatttct tcttatctag ttcccatggc tacgtagata
 4501 agtagcatgg cgggttaatc attaaacta aggaaccctt agtgaatggag ttggccactc
 4561 cctctctgcg cgctcgctcg ctcaactgagg ccgggcgacc aaaggctgcc cgacgccccg
 4621 gctttgcccc ggccggcctca gtgagcgagc gagcgcgag agagggagtg gccaa

FIGURE 16

MPGFYEIVIKVPSDL DGHLPGISDSFVNWVAEKEWELPPDSMD
LNIEQAPLTVAEKLQRDFLTEWRRVSKAPEALFFVQFEKGESYFHMHLVETTG VKS
MVLGRFLSQIREKLIQRIYRGIEPTLPNWFAVTKTRNGAGGKNKVVDECYIPNYLLPK
TQPELQAWTNMEQYLSACLNTERKRLVAQHLTHVSQTQEQNKENQNPNSDAPVIRS
KTSARYMELVGWLVDKGITSEKQWIQEDQASYISFNAASNSRSQIKAALDNAGKIMSL
TKTAPDYLVGQQPVEDISSNRIYKILELNGYDPQYAA SVFLGWATKKFGKRNTIWLFG
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ILGSKVRVDQCKSSAQIDPTPVI VTSNTNMC AVIDGNSTT FEHQQLQDRMFKFEL
TRRLDHDGKVT KQEVK DFFRWAKDHVVEVEHEFYVKKGGAKKRPAPSDADISEPKRV
RESVAQPSTSDAEASINYADRYQNKCSRHVGMNMLFPCRQCERMNQNSNICFTHGQK
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